The value of an SDI to a digital building permission
Case: City of Hyvinkää

Jaana Mäkelä, Spatineo
Päivi Tiihonen and Arto Toikka, City of Hyvinkää

INSPIRE Conference 2017, the 7th of September
Building inspection units in Finland get over 1.5 million customer contacts and handle over 100,000 permits per year.

**THE TRADITIONAL WAY**
- Visits to municipality service desk
- You fill information several times to different forms
- You deliver printouts to different offices
- You spend a lot of time in communicating with authorities and in following up the project

**THE NEW WAY**

Source: Lupapiste.fi and City of Hyvinkää
• A national web service
• Gathers citizens, municipal authorities, architects and other construction business experts at one web address
• Jointly defined and developed by the Ministry of Environment, municipalities and Evolta
• Includes a help desk
• All documents are digital and also archived
• Lupapiste.fi gets all spatial information from Inspire WMS and WFS

The service is available 24/7/365
HYVINKÄÄ IS A SPATIALLY ENABLED CITY— all users have easy access to spatial data

Central data warehouse
- Adm. borders
- Utilities
- Town plans
- Real estates
- Orthophotos
- Traffic information
- Sports facilities
- Forests
- Building lots
- Geogr. names
- Service points
- Ground maps
- …

Production and maintenance of spatial data in operational units
- Urban Planning
- Property Service
- Technical Center
- Building Inspection
- Technical Service center
- Environment Center
- Property Service
- Hyvinkään Vesi

Data saved for shared use

Publishing of spatial data to internal and external users

Spatial data delivery to stakeholders using INSPIRE standards

Feedback Service
- Free building lots

Spatineo Monitor

WMS / WFS

Localfinland.fi

Hyvinkään Vesi

Production and maintenance of spatial data in operational units

Urban Planning

Property Service

Technical Center

Building Inspection

Technical Service center

Environment Center

Property Service

Hyvinkään Vesi

Data saved for shared use

Municipality register

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ALL ESSENTIAL SPATIAL INFORMATION IN THE SDI IS AVAILABLE IN LUPAPISTE
ALL ACTORS DISCUSS ABOUT THE SAME BUILDING OBJECT
IS THE NEW BUILDING ON AN AREA THAT NEED AN EXCEPTIONAL PERMISSION?
ON A CULTUROHISTORICAL AREA THE BUILDING HAS TO FIT TO THE ENVIRONMENT
HOW THE CONNECTIONS TO WATER AND ENERGY NETWORKS ARE Managed?
GEOLOGICAL INFORMATION SHOW THE REQUIREMENTS FOR THE BUILDING
IFC model of a building
FLUENT INTERACTION BETWEEN ALL ACTORS – ALERTS OF NEW INFORMATION
HYVINKÄÄ AND RESIDENTS HAVE GAINED GREAT BENEFITS

“Lupapiste and our SDI have made my work 50% more efficient because all essential information is straight away available”

“At the best case if all documents are correct I can grant the building permission during the same day”

“The best is when spatial information is applied to different application areas”

“Because of spatial web services information is always available up-to-date both for authorities and customers”

“Fluent interaction with the applicant enable the supplement of shortcomings”

“All actors can follow the stage of the building permission process”

“Thanks to INSPIRE services information is not copied manually from one system to another”

“Nature, time and money is saved when the applicant do not have to print out documents, at worst 3 times”

“I can easy organize my tasks and add comments to the queue”

“The monitoring of our spatial web services ensures the continuous quality of our 24/7 information service”

“We want to offer better service to our customers”

Päivi Tiihonen
Information Service Manager

Arto Toikka
Building Inspector
CONCLUSION

• Today, 100% of the building permit applications (400 per year) in Hyvinkää come through Lupapiste.fi
• At best 90% faster processing times
• Digital services that meet user needs are built on SDIs that are reliable and have rich content
Additional information:

About the SDI and the digital building permit process in Hyvinkää:
Päivi Tiihonen, paivi.tiihonen@hyvinkaa.fi
Arto Toikka, arto.toikka@hyvinkaa.fi

About how to make SDIs widely used and reliable
Jaana Mäkelä, jaana.makela@spatineo.com
spatineo.com

About Lupapiste.fi
evolta.fi/en/